

AMENDMENTS TO SPECIFICATION

Please amend paragraph that starts on page 32 line 29 insert the following at the end of the paragraph:

Reference is now given to Table IV that is a weight matrix. The group names, ranges and midpoints correspond to the amplitude/latency matrix shown in Table I. For example, the amplitude (ΔP) group named 1.5 mmHg includes amplitude values equal to or larger than 1.5 mmHg but less than 2.0 mmHg, with group midpoint value equal to 1.75 mmHg. The latency (ΔT) group termed 0.11 seconds includes latency values equal to or larger than 0.11, but less than 0.12 seconds, with group midpoint value of 0.115 seconds. With reference to Table IV, the equation of the relationships presented in FIG. 7c was used to give each individual cell in said matrix a weight value. The weight value was considered as equal to predicted mean (Predicted mean pressure = $3.214 + 1.3 \times \Delta P + 63.609 \times \Delta T^3$). The equation was applied to each amplitude and latency group within said matrix. The equation describes the predicted mean value as a function of the balanced position of amplitude (ΔP) and latency (ΔT) values. With reference to Table IV, the group midpoint values of amplitude (ΔP) and latency (ΔT) groups were used as input values to the equation to give each cell a predicted mean value. For example, by using the equation 7 related to FIG. 7c (Predicted mean pressure = $3.214 + 1.3 \times \Delta P + 63.609 \times \Delta T^3$), the cell corresponding to amplitude (ΔP) group 1.5 mmHg (with group midpoint 0.115 seconds) would be represented with the predicted mean pressure value of 5.59 mmHg. In this example the whole matrix is weighted according to the equation computed according to the relationships presented in FIGS. 7a to 7c. Based on the relationships presented in FIGS. 7a to 7c, it is also possible to compute one individual equation for each amplitude (ΔP) group within said matrix. Thereby, each equation is applicable for ranges of amplitude (ΔP), for example the ranges $0.5 < \Delta P \leq 1.0$ mmHg. Matrix cells of an amplitude (ΔP)/latency (ΔT) matrix can be represented by selected colors corresponding to the mean pressure values of said matrix.